

METHOD AND APPARATUS FOR MARKING MEDICINE CONTAINER

BACKGROUND OF THE INVENTION

Field of the Invention

The present invention generally relates to a marking system and apparatus for containers using icons to identify and represent the desired use for the contents. More specifically, the present invention relates to a graphical marking apparatus and method for medicine receptacles whereby iconic decals are applied to the medicine receptacles to assist in identifying the contents or whereby graphical representations are created on or in the perimeter of or covering to the receptacle.

Description of the Related Art

Many different containers are known to be in existence for the storage and transportation of medicines, whether liquid, powder, or solid form. A popular example of a medicine container, as widely deployed throughout the pharmaceutical industry predominately for use with solid medication (i.e. tablets, capsules, and pills), generally takes the shape of a cylinder with one open end and a circular shaped cap removably engaged thereupon. Caps for medicine bottles of this type can be fastened in a variety of ways, and be of several types of manufacture.

One of the most popular and widely used types of medicine bottles include "childproof" style caps. Such caps are designed to be removed only by the dexterous hands of an adult, often requiring compound actions to gain access to the bottle's contents. It is believed that young children would be unable to open such bottles, thus protecting them from accidentally consuming the potentially harmful contents. Unfortunately, the amount of skill required to open such a container can also prove to be difficult for the intended recipient of the medicine. The relatively

One embodiment of the present helps alleviate these concerns by placing graphical icons on the outside of the medicine containers, so that when the patients look at these containers he or she will know why the medication has been prescribed. For instance, a picture of a knee with an arrow pointing to the knee lets the patient know the medication is for the pain in their knee. They very same pain medication might be given to another patient for pain in their hands. In such case, the icon would comprise a picture of an elbow with an arrow pointing to the elbow. Again, looking down at the pictures will greatly help those patients to know what it is for, without having to remember long, technical names. These icon labels can be made for any health problem concerning the human anatomy. These icons will not only help the patient, but also they will help family and other caregivers know why the medicine has been prescribed. One option is to sell these labels over the counter, preferably in a pharmacy. A display will let a patient read about the icons, thus being able to ask the pharmacist for more information. To date, no reliable system for marking medicine receptacles to make them easily identifiable by the elderly and vision impaired exists.

BRIEF SUMMARY OF THE INVENTION

The deficiencies of the prior art may be overcome through the use of a medicine receptacle labeling system and method that includes the placement of an iconic label upon the receptacle exterior. Such an iconic label would graphically assist the patient in taking the proper medication by including a descriptive icon to graphically depict either the symptoms and/or desired result for which the medicine contained therein is to be taken. Such an iconic labeling system would be most beneficial to the elderly and vision impaired, enabling them to select and consume their medications properly with a lessened risk of ingesting improper medicine.

BRIEF DESCRIPTION OF THE DRAWINGS

For a detailed description of a preferred embodiment of the invention, reference will now be made to the accompanying drawings wherein:

Figure 1 is a perspective view of a traditional medicine receptacle;

Figure 2 is a perspective view of a medicine receptacle with an iconic label in accordance with a preferred embodiment of the present invention; and

Figure 3 is a top view of the cap of Figure 2 showing a sample iconic label in accordance with a preferred embodiment of the present invention.

While the invention is susceptible to various modifications and alternative forms, specific embodiments thereof are shown by way of example in the drawings and will herein be described in detail. It should be understood, however, that the drawings and detailed description thereto are not intended to limit the invention to the particular form disclosed, but on the contrary, the intention is to cover all modifications, equivalents and alternatives falling within the spirit and scope of the present invention as defined by the appended claims.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Referring initially to Figure 1, a traditional medicine bottle 10 is shown. Medicine bottle 10 includes a primary housing 12, a cap 14, and a label 16. Housing 12 is preferably constructed in the shape of a cylinder that is enclosed at one end 18 and left open another end 20, but may be a housing of any shape or size capable of retaining doses of medicine. Cap 14 is preferably placed atop open end 20 of housing 12 and is preferably removably secured thereupon either

threadably or through a "snapping" engagement. Cap 14 may be of the "childproof" configuration, whereby a compound action is required to remove cap 14 from housing 12. Label 16 is shown affixed upon the outer circumference of housing 12. Label 16 typically includes the prescribing physician's name, the pharmacy contact information, the name (often both generic and brand names) of the medication inside, the amount of medication inside, the proper dosage amounts and intervals, and refill allowances, if any.

Referring now to Figure 2, a medicine receptacle 20 in accordance with a preferred embodiment of the present invention is shown. Receptacle 20 includes a housing 22, a cap 24 and a primary label 26 in much the same manner as bottle 10 of Figure 1. Receptacle 20 further includes an iconic label 30, affixable anywhere about the outside of receptacle 20, but preferably located atop cap 24, as shown, because visibility is maximized. One embodiment of iconic label 30 includes a printable media 32 upon which a graphical icon 34 is printed or otherwise represented. Iconic label 30 preferably has self-adhesive backing to attach upon cap 24. An alternative embodiment of iconic label 30 would have graphical icon 34 printed, embossed, stamped, pressed, or otherwise imprinted in or on cap 24.

Graphical icon 34 upon iconic label 30 is selected to be indicative of either the medicine contained within receptacle 20 or its intended use. Icon 34 may be selected from a wide assortment of graphical depictions that indicate the contents of receptacle 20 and are preferably selected as "standard" symbols that will be understood by the widest number of patients with little or no explanation.

As an example, the icon 34 of label 30 of Figure 3 would be best used to indicate that a sleep medication is contained within receptacle 20. Further, iconic labels 30 need not be pictorial, but rather may be colored or other symbols such as a blue circle or a red square. While

these colored symbols may not immediately be associated with a particular medicine or use, the patient will associate the colored symbols with certain medicine or uses much more quickly than a purely textual label.

When symptoms, or a dosage timetable, indicate that a medication is to be ingested, the patient will be able to identify the proper medicine from a plurality of receptacles 20 by scanning the various iconic labels 30. Although iconic labels 30 may be applied at any time, it is preferred that they be applied to their respective receptacles by the pharmacist at the time the prescription is filled. Alternatively, the pharmacist may include a sheet of assorted self-adhesive iconic labels 30 with each prescription, or the labels 30 may be sold separately over the counter at any number of stores, thus enabling the patient to label their medications as they see fit. This is beneficial because often medications may be prescribed for multiple purposes. A particular medication may be prescribed to one patient to reduce blood pressure, and prescribed to another as a pain killer. As a further alternative, iconic labels 30 may be applied by hospitals (including emergency rooms), doctor's offices, clinics, or other facilities that provide medication.

Even with the varied uses of many drugs, it may still be preferable for the pharmacist to apply iconic labels 30 to receptacles 20 because they are more knowledgeable in the dosages and identities of various medications and are much less likely to improperly label a receptacle 20. For drugs with more than one common use, the pharmacist would be able to interpret the prescribing physician's dosage and symptom notes on the original prescription to help them determine which iconic label 30 to apply to receptacle 20.